

ProxFusion 3 Click



PID: MIKROE-4469

ProxFusion 3 Click is a compact add-on board that represents a multifunctional touch sensing Click board™. This board features the IQS292A, an 8-channel ProxFusion® capacitive touch and proximity controller with additional Hall-effect from Azoteq. This IQS292A can detect touch by using eight onboard sensor pads allowing installation of the protective acrylic glass layer over them and provides an integrated capacitive-touch solution with high flexibility, unique combination sensing, and long-term stability. This Click board™ is suitable for high-end proximity and touch applications and offers reliable and accurate sensing for any application that uses capacitive touch sensing functions.

ProxFusion 3 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Capacitive
Applications	Can be used for high-end proximity and touch applications and offers reliable and accurate sensing for any application that uses capacitive touch sensing functions.
On-board modules	IQS269A - eight-channel ProxFusion® capacitive, proximity, and touch controller with additional Hall-effect and inductive sensing, best in class signal-to-noise ratio, and low power consumption from Azoteq
Key Features	Low power consumption, highly flexible 8 sensor pads, internal Hall sensor, wide range of capacitance detection, best in class sensitivity and signal-to-noise ratio, and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)

Downloads

[ProxFusion 3 click 2D and 3D files](#)
[ProxFusion 3 click schematic](#)
[IQS269A datasheet](#)
[ProxFusion 3 click example on Libstock](#)

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